WHAT IS CLAIMED IS:

1		1.	A method for manufacturing a mask for integrated circuit devices, the		
2	method comprising:				
3		provi	ding a quartz substrate having a surface, the quartz substrate comprising		
4	a thickness;				
5		formi	ng a MoSi film overlying the surface of the quartz substrate;		
6		patter	ning the MoSi film overlying the quartz substrate to form a mask pattern;		
7	and				
8		forming an opaque edge structure comprising a carbon bearing material on a			
9	portion of the	the surface around a peripheral region of the mask pattern; whereupon the opaque			
10	edge structure	cture has a light transmittance ranging from about 0% to about 3%.			
1		2.	The method of claim 1 wherein the forming of the opaque edge		
2	structure is provided by laser deposition.				
1		3.	The method of claim 1 wherein the forming of the opaque edge		
2	structure is n		by focused ion beam.		
-	otractare is pr	. O v Iuou			
1		4.	The method of claim 1 wherein the opaque edge structure occupies a		
2	region on the	n on the quartz substrate that is free from the mask pattern.			
1		5.	The method of claim 1 wherein the mask pattern is for a half tone		
2	phase shift m		The medical of claims I wherein the mast pattern is for a half tone		
_	P				
1		6.	The method of claim 1 further comprising cleaning the patterned MoSi		
2	film and opaque edge structure.				
1		7.	The method of claim 1 wherein the carbon is in a C_{12} , C_{13} , C_{14} state.		
-		, ,	The method of claim I wherein the careon is in a C12, C13, C14 state.		
1		8.	The method of claim 1 wherein the patterning of the MoSi film is a		
2	photolithogra	otolithography process.			
1		9.	The method of claim 8 wherein the patterning is the only		
2	nhotolithogra		ocess used by the method.		
~	photominogra	biry bic	social diseases and medica.		
1		10.	The method of claim 1 wherein the mask pattern is free from a chrome		
2	film.				

1		11.	A method for processing integrated circuit devices, the method			
2	comprising:					
3	providing a mask structure, the mask structure comprising a quartz substrate					
4	having a surfac	having a surface, a patterned MoSi film overlying the surface of the quartz substrate to form a				
5	mask pattern,	mask pattern, and an opaque edge structure comprising a carbon bearing material on a portion				
6	of the surface	around	a peripheral region of the mask pattern; and			
7		using the mask structure for applying a pattern onto a photosensitive material				
8	overlying a ser	overlying a semiconductor substrate.				
1		12.	The method of claim 11 wherein the mask structure is a mask.			
1		13.	The method of claim 11 wherein the carbon bearing material is in a			
2	$C_{12}, C_{13}, C_{14} s$	tate.				
1		14.	The method of claim 11 wherein the forming of the opaque edge			
2	structure is provided by laser deposition.					
1	·	15.	The method of claim 11 wherein the forming of the opaque edge			
2	structure is pro	ructure is provided by focused ion beam.				
1		16.	The method of claim 11 wherein the opaque edge structure occupies a			
2	region on the quartz substrate that is free from the mask pattern.					
1		17.	The method of claim 11 wherein the mask pattern is for a half tone			
2	phase shift ma	isk.				
1		18.	The method of claim 11 further comprising cleaning the patterned			
2	MoSi film and	d opaqı	ne edge structure.			
1		19.	A half tone phase shift mask for integrated circuit devices, the mask			
2	comprising:					
3		a sub	strate having a surface;			
4		a patt	erned light blocking film overlying the surface of the substrate; and			
5		an op	aque edge structure comprising a carbon bearing material on a portion of			
6	the surface ar	ound a	peripheral region of the mask pattern.			
1		20.	The mask of claim 19 wherein the carbon bearing material is in a C_{12} ,			
2	C_{13} , C_{14} state.					